

# SAMPLE

Version Date: July 2016

## GEORGIA INSTITUTE OF TECHNOLOGY ROBOTICS PROGRAM: PROPOSED PH.D. PROGRAM OF STUDY

(see <http://phdrobotics.gatech.edu/> for program details)

Date \_\_\_\_\_ Original \_\_\_\_\_ Revised \_\_\_\_\_

Name George P. Burdell Email gburdell@gatech.edu Home School AE, BME, ECE, ME or IC

### Required Fundamentals (9 semester hours)

Number	Course Title	Hours	Semester/Year
AE/BME/CS/ECE/ME 7785	Introduction to Robotics Research	3	Fall / 18
AE/BME /CS/ECE/ME 8750	Multidisciplinary Robotics Research I	3	Spring / 19
AE/BME /CS/ECE/ME 8751	Multidisciplinary Robotics Research II	3	Spring / 19

Core Areas (18 semester hours). Must select three (3) core areas, each with one (1) foundation class and one (1) elective. The core areas are: Mechanics, Controls, Perception, Artificial Intelligence, and Human Robot Interaction.

	Number	Course Title	Hours	Semester/Year
Core Area 1:	<u>Human-Robot Interaction</u> (name)			
Foundation 1:	<u>CS 7633</u>	<u>Human-Robot Interaction</u>	3	Fall / 18
Elective 1:	<u>PSYC 7101</u>	<u>Engineering Psychology I</u>	3	Spring / 20
Core Area 2:	<u>Artificial Intelligence</u> (name)			
Foundation 2:	<u>CS 6601</u>	<u>Artificial Intelligence</u>	3	Fall / 18
Elective 2	<u>CS 7640</u>	<u>Learning in Autonomous Agents</u>	3	Spring / 20
Core Area 3:	<u>Controls</u> (name)			
Foundation 3:	<u>ECE 6550</u>	<u>Linear Systems and Control</u>	3	Fall / 19
Elective 3:	<u>ECE 6552</u>	<u>Nonlinear Systems and Control</u>	3	Fall / 19

Minor (9 semester hours). Must be distinct from any of the five core areas:

	Number	Course Title	Hours	
Minor:	<u>Healthcare Technology</u> (name)			
	<u>ECE 6710</u>	<u>Ethics of Biotechnology and Bioengineering Research</u>	3	Fall / 18
	<u>Elective</u>	<u>Healthcare Related Course</u>	3	Fall / 20
	<u>BMED 8823</u>	<u>Clinical Experiences for Engineers</u>	3	Summer / 19

	Hours Required:	Hours Proposed:
Fundamentals:	9	9
Core Areas:	18	18
Minor Program:	9	9
Credit Hours 6000- 9000 Level:	30	30
Total Semester Hours for Degree (Minimum):	36	36

Tentative Thesis Topic Choose any topic related to your major but must write down a topic (may change topic)

Projected Date of Graduation Spring 20## Student Signature Student's Handwritten Signature

RECOMMENDED Dr. Howard can sign or a home school representative can sign  
Faculty Advisor – Printed Name/Signature \_\_\_\_\_ Date \_\_\_\_\_

Director, Robotics Ph.D. Program Committee \_\_\_\_\_ Date \_\_\_\_\_

Approved \_\_\_\_\_ Not Approved \_\_\_\_\_

Comments: A course transfer must include grade and course syllabus from transfer school. Cannot take robotics electives for minor courses.